

FIG. 1

1 MAPWPELGDA QPNPDKYLEG AAGQQPTAPD KSKETNKNNT EAPVTKIELL
51 PSYSTATLID EPTEVDDPWN LPTLQDSGIK WSERDTKGKI LCFFQGIGRL
101 ILLGLFLYFF VCSLDILSSA FQLVGGKMAG QFFSNSSIMS NPLLGLVIGV
151 LVTVLVQSSS TSTSIVVSMV SSSLLTVRAA IPIIMGANIG TSITNTIVAL
201 MQVGDRSEFR RAFAGATVHD FFWLSVLVL LPVEVATHYL EIITQLIVES
251 FHFKNGEDAP DLLKVITKPF TKLIVQLDKK VISQIAMNDE KAKNKSLVKI
301 WCKTFTNKTQ INVTVPSTAN CTSPSLCWDG GIQNWMTMKNV TYKENIAKCQ
351 HIFVNFHLPD LAVGTILLIL SLLVLCGLI MIVKILGSLV KGQVATVIKK
401 TINTDFPPFF AWLTGYLAIL VGAGMTFIVQ SSSVFTSALT PLIGIGVITI
451 ERAYPLTLGS NIGTTTTAIL AALASPGNAL RSSLQIALCH FFFNISGILL
501 WYPIPFTRL P IRMAKGLGNI SAKYRWFAVF YLIIFFFLIP LTVFGLSLAG
551 WRVLVGVGVP VVFIIILVLC LRLQLSRCPR VLPKKLQNWV FLPLWMRSLK
601 PWDVVSKFT GCFQMRCCCC CRVCCRACCL LCGCPKCCRC SKCCEDLEEA
651 QEGQDVPVKA PETFDNITIS REAQGEVPAS DSKTECTAL* (SEQ ID NO:01)

FIG. 2i

1 CTGACGTAGG CCCAGCACCT GCGGAGGGAG CGCTGACCAT GGCTCCCTGG
51 CCTGAATTGG GAGATGCCCA GCCCAACCCC GATAAGTACC TCGAAGGGGC
101 CGCAGGTCAG CAGCCCCTG CCCCTGATAA AAGCAAAGAG ACCAACAAAA
151 ATAACACTGA GGCACCTGTA ACCAAGATTG AACTTCTGCC GTCCTACTCC
201 ACGGCTACAC TGATAGATGA GCCCACTGAG GTGGATGACC CCTGGAACCT
251 ACCCACTCTT CAGGACTCGG GGATCAAGTG GTCAGAGAGA GACACCAAAG
301 GGAAGATTCT CTGTTTCTTC CAAGGGATTG GGAGATTGAT TTTACTTCTC
351 GGATTTCTCT ACTTTTCTCGT GTGCTCCCTG GATATTCTTA GTAGCGCCTT
401 CCAGCTGGTT GGAGGAAAAA TGGCAGGACA GTTCTTCAGC AACAGCTCTA
451 TTATGTCCAA CCCTTTGTTG GGGCTGGTGA TCGGGGTGCT GGTGACCGTC
501 TTGGTGCAGA GCTCCAGCAC CTCAACGTCC ATCGTTGTCA GCATGGTGTC
551 CTCTTCATTG CTCACGTGTC GGGCTGCCAT CCCCATATC ATGGGGGCCA
601 ACATTGGAAC GTCAATCACC AACACTATTG TTGCGCTCAT GCAGGTGGGA
651 GATCGGAGTG AGTTCAGAAG AGCTTTTGCA GGAGCCACTG TCCATGACTT
701 CTTCAACTGG CTGTCCGTGT TGGTGCTCTT GCGCGTGGAG GTGGCCACCC
751 ATTACCTCGA GATCATAACC CAGCTTATAG TGGAGAGCTT CCACTTCAAG
801 AATGGAGAAG ATGCCCCAGA TCTTCTGAAA GTCATCACTA AGCCCTTCAC
851 AAAGCTCATT GTCCAGCTGG ATAAAAAGT TATCAGCCAA ATTGCAATGA
901 ACGATGAAAA AGCGAAAAAC AAGAGTCTTG TCAAGATTG GTGCAAACT
951 TTTACCAACA AGACCCAGAT TAACGTCAT GTTCCCTCGA CTGCTAACTG
1001 CACCTCCCTT TCCCTCTGTT GGACGGATGG CATCCAAAAC TGGACCATGA
1051 AGAATGTGAC CTACAAGGAG AACATCGCCA AATGCCAGCA TATCTTTGTG
1101 AATTTCCACC TCCCGGATCT TGCTGTGGGC ACCATCTTGC TCATACTCTC
1151 CCTGCTGGTC CTCTGTGGTT GCCTGATCAT GATTGTCAAG ATCCTGGGCT
1201 CTGTGCTCAA GGGGCAGGTC GCCACTGTCA TCAAGAAGAC CATCAACACT
1251 GATTTCCCTT TTCCCTTTGC ATGGTTGACT GGCTACCTGG CCATCCTCGT
1301 CGGGGCAGGC ATGACCTTCA TCGTACAGAG CAGCTCTGTG TTCACGTCGG
1351 CCTTGACCCC CCTGATTGGA ATCGGCGTGA TAACCATTGA GAGGGCTTAT
1401 CCACTCACGC TGGGCTCCAA CATCGGCACC ACCACCACCG CCATCCTGGC
1451 CGCCTTAGCC AGCCCTGGCA ATGCATTGAG GAGTTCATC CAGATCGCCC
1501 TGTGCCACTT TTTCTTCAAC ATCTCCGGCA TCTGTCTGTG GTACCCGATC
1551 CCGTTCATC GCCTGCCCAT CCGCATGGCC AAGGGGCTGG GCAACATCTC
1601 TGCCAAGTAT CGCTGGTTCG CCGTCTTCTA CCTGATCATC TTCTTCTTCC
1651 TGATCCCGCT GACGGTGTTT GGCCTCTCGC TGGCCGGCTG GCGGGTGTG
1701 GTTGGTGTG GGGTTCCCGT CGTCTTCATC ATCATCCTGG TACTGTGCCT
1751 CCGACTCCTG CAGTCTCGCT GCCACGCGT CCTGCCGAAG AAATCCAGA
1801 ACTGGAACCTT CCTGCCGCTG TGGATGCGCT CGCTGAAGCC CTGGGATGCC
1851 GTCGTCTCCA AGTTCACCGG CTGCTTCCAG ATGCGCTGCT GCTGCTGCTG
1901 CCGCGTGTGC TGCCGCGCGT GCTGCTTGCT GTGTGGCTGC CCCAAGTGCT
1951 GCGGCTGCAG CAAGTGCTGC GAGGACTTGG AGGAGGCGCA GGAGGGGCAG
2001 GATGTCCCTG TCAAGGCTCC TGAGACCTTT GATAACATAA CCATTAGCAG
2051 AGAGGCTCAG GGTGAGGTCC CTGCCTCGGA CTCAAAGACC GAATGCACGG
2101 CTTGTAGGG GACGCCCCAG ATTGTCAGGG ATGGGGGGAT GGTCTTGAG
2151 TTTTGCATGC TCTCCTCCCT CCCACTTCTG CACCCTTCA CCACCTCGAG
2201 GAGATTTGCT CCCATTAGC GAATGAAATT GATGCAGTCC TACCTAACTC
2251 GATTCCCTTT GGCTTGGTGG GTAGGCCTGC AGGGCACTTT TATTCCAACC
2301 CCTGGTCACT CAGTAATCTT TTACTCCAGG AAGGCACAGG ATGGTACCTA
2351 AAGAGAATTA GAGAATGAAC CTGGCGGGAC GGATGTCTAA TCCTGCACCT
2401 AGCTGGGTTG GTCAGTAGAA CCTATTTTCA GACTCAAAAA CCATCTTCAG
2451 AAAGAAAAGG CCCAGGGAAG GAATGTATGA GAGGCTCTCC CAGATGAGGA
2501 AGTGTACTCT CTATGACTAT CAAGCTCAGG CCTCTCCCTT TTTTAAACC
2551 AAAGTCTGGC AACCAAGAGC AGCAGCTCCA TGGCCTCCTT GCGCCAGATC
2601 AGCCTGGGTC AGGGGACATA GTGTCATTGT TTGGAACTG CAGACCACAA

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FIG. 2ii

2651 GGTGTGGGTC TATCCCACTT CCTAGTGCTC CCCACATTCC CCATCAGGGC
2701 TTCCTCACGT GGACAGGTGT GCTAGTCCAG GCAGTTCAC TGCAGTTTCC
2751 TTGTCCTCAT GCTTCGGGGA TGGGAGCCAC GCCTGAACTA GAGTTCAGGC
2801 TGGATACATG TGCTCACCTG CTGCTCTTGT CTTCCCTAAGA GACAGAGAGT
2851 GGGGCAGATG GAGGAGAAGA AAGTGAGGAA TGAGTAGCAT AGCATTCTGC
2901 CAAAAGGGCC CCAGATTCTT AATTTAGCAA ACTAAGAAGC CCAATTCAAA
2951 AGCATTGTGG CTAAAGTCTA ACGCTCCTCT CTTGGTCAGA TAACAAAAGC
3001 CCTCCCTGTT GGATCTTTTG AAATAAAACG TGCAAGTTAT CCAGGCTCGT
3051 AGCCTGCATG CTGCCACCTT GAATCCCAGG GAGTATCTGC ACCTGGAATA
3101 GCTCTCCACC CCTCTCTGCC TCCTTACTTT CTGTGCAAGA TGACTTCCTG
3151 GGTTAACTTC CTTCTTTCCA TCCACCCACC CACTGGAATC TCTTTCCAAA
3201 CATTTTCCA TTTTCCCACA GATGGGCTTT GATTAGCTGT CCTCTCTCCA
3251 TGCTGCAAAA GCTCCAGATT TTTGGGGAAA GCTGTACCCA ACTGGCATGC
3301 CCAGTGAAT GGGATCATTG AGTACAGTCG AGCACACGTG TGTGCATGGG
3351 TCAAAGGGGT GTGTTCCCTT TCATCCTAGA TGCTTCTCT GTGCCTTCCA
3401 CAGCCTCCTG CCTGATTACA CCACTGCCCC CGCCCCACCC TCAGCCATCC
3451 CAATTCTTCC TGGCCAGTGC GCTCCAGCCT TATCTAGGAA AGGAGGAGTG
3501 GGTGTAGCCG TGCAGCAAGA TTGGGGCCTC CCCCATCCCA GCTTCTCCAC
3551 CATCCCAGCA AGTCAGGATA TCAGACAGTC CTCCCCTGAC CCTCCCCTT
3601 GTAGATATCA ATTCCCAAAC AGAGCCAAAT ACTCTATATC TATAGTCACA
3651 GCCCTGTACA GCATTTTTC TAAGTTATAT AGTAAATGGT CTTCTAGTGC
3701 TCTCATTTGG AAATGAGGCA GGCTTCTTCT ATGAAATGTA AAGAAAGAAA
3751 CCACTTTGTA TATTTTGTAA TACCACCTCT GTGGCCATGC CTGCCCCGCC
3801 CACTCTGTAT ATATGTAAGT TAAACCCGGG CAGGGGCTGT GGCCGTCTTT
3851 GTA CTCTGGT GATTTTTAGA AATTGAATCT TTGTA CTGCT ATTGATTGTA
3901 TAATAATTTT GAGACCAGGT CTCGCTGTGT TGCTCAGGCT GGTCTCAAAC
3951 TCCTGAGATC AAGCAATCCG CCCACCTCAG CCTCCCAAAG TGCTGAGATC
4001 ACAGGCGTGA GCCACCACCA GGCCTGATTG TAATTTTTTT TTTTTTTTTT
4051 TTTACTGGTT ATGGGAAGGG AGAAATAAAA TCATCAAACC CAAAAA
4101 AAAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAAAA (SEQ ID NO:02)